

SELF-SEALING GROMMET ASSEMBLY

Abstract of Disclosure

The present invention provides a self-sealing grommet assembly. In one aspect of the invention, a grommet assembly is provided for use with an elongated member, such as a wire bundle, cable, or tube, that may have varying outer diameters. The grommet assembly has a flexible body portion with a radially inward-facing first sealing surface defining a central aperture sized to receive the elongated member. The flexible body portion has a radially outward-facing second sealing surface facing away from the first sealing surface. The body portion has an annular cavity formed therein substantially concentric with the central aperture and positioned between the first and second sealing surfaces. A biasing member is contained in the annular cavity and is configured to exert a radially inward sealing force to press the body portion into sealable engagement with the elongated member. In one aspect, a second biasing member is contained in the annular cavity and configured to exert a radially outward sealing force to press the body portion into sealable engagement with a structure, such as a wall, panel, or the like.

Figures